DE 3 0 2004

SEQUENCE LISTING

<110> Hadfand, Perry D.
 Sherman, Douglas B.
 Stewart II, Walter W.
 Lloyd, Sheila A.
 Campbell, Robert L.

- <120> METHODS, APPARATUS AND COMPUTER PROGRAM PRODUCTS FOR FORMULATING CULTURE MEDIA
- <130> 06675.142US3

<140> US 10/087,905

<141> 2002-03-05

<150> US 09/359,260

<151> 1999-07-22

<160> 49

- <170> PatentIn Ver. 2.0
- <210> 1
- <211> 4
- <212> PRT
- <213> Artificial Sequence

<220>

- <223> Description of Artificial Sequence: hypothetical
 peptide
- <400> 1

Gly Ala Leu Gly

<210> 2

<211> 4

<212> PRT

- <213> Artificial Sequence
- <220>
- <223> Description of Artificial Sequence: hypothetical
 peptide

<400> 2

Gln Gly Val Glu

Т

<210> 3

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: hypothetical
 peptide

```
<400> 3
Ser Ala Pro Val
<210> 4
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
<400> 4
Ser Pro Ala Gln
 1
<210> 5
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 5
Glu Glu Val Phe
<210> 6
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 6
Val Leu Ser Lys
 1
<210> 7
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 7
Val Ser Glu Leu
 1
```

```
<210> 8
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 8
Pro Phe Glu Pro
<210> 9
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 9
Glu Leu Gln Glu
<210> 10
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 10
Lys Val Gln Phe
<210> 11
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 11
Gly Lys Ala Pro
 1
<210> 12
<211> 4
```

a , e

```
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 12
Ala Gln Lys Ser
<210> 13
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 13
Ala Gln Gly Glu
 1
<210> 14
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 14
Lys Glu Phe Gly
<210> 15
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 15
Pro Ser Phe Lys
 1
<210> 16
<211> 4
<212> PRT
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 16
Phe Ser Leu Ala
<210> 17
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 17
Leu Phe Gly Ala
 1
<210> 18
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 18
Glu Val Lys Ser
 1
<210> 19
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 19
Val Gly Glu Ala
 1
<210> 20
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
```

a ex

```
<400> 20
Gln Glu Ser Gln
<210> 21
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 21
Gly Ala Pro Val
<210> 22
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 22
Ser Ala Leu Gly
<210> 23
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 23
Asp Lys Ala His
<210> 24
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
<400> 24
Asp Trp Pro Ala
```

1

```
<210> 25
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
<400> 25
Glu Ser Met His
<210> 26
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 26
Gly Val Asn Glu
<210> 27
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 27
His Glu Asp Val
<210> 28
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 28
Glu Thr Gly Ser
 1
<210> 29
<211> 4
```

```
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 29
His Tyr Gly Val
<210> 30
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 30
Asp Phe Gly Val
<210> 31
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 31
His Tyr Pro Val
<210> 32
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 32
Ala Ala Ala Ala
 1
<210> 33
<211> 4
<212> PRT
<213> Artificial Sequence
```

```
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 33
Ala Ala Cys
<210> 34
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 34
Ala Ala Cys Ala
<210> 35
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 35
Ala Cys Ala Ala
<210> 36
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 36
Cys Ala Ala Ala
 1
<210> 37
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
```

, 63- t

```
<400> 37
Ala Ala Cys Cys
<210> 38
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 38
Ala Cys Ala Cys
<210> 39
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 39
Cys Ala Ala Cys
 1
<210> 40
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 40
Ala Cys Cys Ala
 1
<210> 41
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 41
Cys Ala Cys Ala
  1
```

, n) (

```
<210> 42
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 42
Cys Cys Ala Ala
<210> 43
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 43
Ala Cys Cys Cys
<210> 44
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
      peptide
<400> 44
Cys Ala Cys Cys
 1
<210> 45
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 45
Cys Cys Ala Cys
 1
<210> 46
<211> 4
```

, " " ·

```
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 46
Cys Cys Cys Ala
 1
<210> 47
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 47
Cys Cys Cys
<210> 48
<211> 5
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 48
Ser Val Val Val
<210> 49
<211> 5
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: hypothetical
     peptide
<400> 49
Gly Ile Ile Leu Ser
```